

LORIS H HASSALL TRADING PTY LTD

TREATED BRINE EFFLUENT TEST RESULTS 2021

EPA ID LOCATION: NA

EPA LICENSE NUMBER: 12765



*Not Tested (NT) No Sample (NS)

ANALYSIS	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	HIGH	LOW	AVE
pH - pH Units	9.4	9.3	10.51	10.73	9.58	9.5	9.73	9.58					10.73	9.3	9.79
EC (Electrical Conductivity) - µS/cm	497000	364000	216000	230000	233000	226000	215000	227000					497000	215000	276000.00
TKN - N (Total Kjeldahl Nitrogen as N) - mg/L	588	327	440	510	540	530	480	390					588	327	475.63
Total P (Phosphorus) - mg/L	10.4	51.7	8.8	13	10	11	5.3	14					51.7	5.3	15.53
Total Suspended Solids - mg/L	1450	1940	400	1300	220	320	200	320					1940	200	768.75
TDS (Total Dissolved Solids) - mg/L	270000	198000	193000	237000	226000	226000	209000	239000					270000	193000	224750.00
BOD (Biological Oxygen Demand) - mg/L	4650	2650	3100	3200	2900	2600	3400	2800					4650	2600	3162.50
COD (Chemical Oxygen Demand) - mg/L	11200	6960	4200	5000	4200	4200	4600	8300					11200	4200	6082.50
Nitrate - mg/L	0.1	0.05	0.05	3.3	1.1	0.89	0.88	1.3					3.3	0.05	0.96
Nitrite N - mg/L	0.1	0.05	0.05	0.13	1.3	1	0.092	1.4					1.4	0.05	0.52
DEM (Oil & Grease) - mg/L	7	10	4	2	6	6	6	0.14					10	0.14	5.14
Sulphide as S2 - mg/L	0.2	0.3	2.83	2.88	7.67	2.69	3.17	2					7.67	0.2	2.72
Sulphur as S - mg/L	217	214	230	260	220	230	300	10					300	10	210.13
Sulphite as SO3 2- mg/L	2	2	5	6	0.5	6	6	190					190	0.5	27.19
Chloride - mg/L	153612	105000	140000	160000	130000	130000	120000	140000					160000	105000	134826.50
Sodium - mg/L	90823	64000	83500	93800	95800	82200	93200	77800					95800	64000	85140.38
Potassium - mg/L	994	721	1380	1230	720	1250	830	1020					1380	720	1018.13
Calcium - mg/L	18	11.9	8.5	20	23	34	47	25					47	8.5	23.43
Magnesium - mg/L	92.5	76.5	3	0.68	46	53	62	52					92.5	0.68	48.21
SAR	1915	1501	6260	5610	2650	2420	2100	2030					6260	1501	3060.75
Sulphate - mg/L	636	507	610	650	670	710	770	520					770	507	634.13
Total N (Nitrogen) - mg/L	588	327	440	510	540	530	480	390					588	327	475.63